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OUTGOING LTR NO.

DE ORDER# 54001
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DIST.	LTR	ENC
MARAL, M.E.		
JURLINGAME, A.H.		
USBY, W.S.		
RANCH, D.B.		
ARNIVAL, G.J.		
AVIS, J.G.		
ERRERA, D.W.		
RAY, R.E.		
EIS, J.A.		
LOVER, W.S.		
OLAN, P.M.		
ANNI, B.J.		
ARMAN, L.K.		
EALY, T.J.		
EDAH, T.		
ILBIG, J.G.		
UTCHINS, N.M.		
ACKSON, D.T.		
ELL, R.E.		
JESTER, A.W.		
ARX, G.E.		
CDONALD, M.M.		
CKENNA, F.G.		
ONTROSE, J.K.		
ORGAN, R.V.		
OTTER, G.L.		
ZZUTO, V.M.		
SING, T.L.		
ANDLIN, N.B.		
CHWARTZ, J.K.		
ETLOCK, G.H.		
TEWART, D.L.		
TIGER, S.G.	X	
DBIN, P.M.		
DORHEIS, G.M.		
ILSON, J.M.		
CRUSSED MC	X	
iders MA	X	
Boucke TP	X	
with R 4	X	
DRRES. CONTROL	X	X
DMN RECORD/0802	X	X
RAFFIC		
ATS/T130G		

CLASSIFICATION:

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NCCLASSIFIED		
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER
SIGNATURE
CURRENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE
DATE

REPLY TO RFP CC NO:

CTION ITEM STATUS
PARTIAL/OPEN
CLOSED

TR APPROVALS:
SIG & TYPIST INITIALS

EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC.
ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

March 8, 1995

95-RF-02151

Jessie M. Roberson
Assistant Manager for
Environmental Restoration
DOE, RFFO

TRANSMITTAL OF THE GEOLOGIC CHARACTERIZATION REPORT (VOLUME I OF THE SITEWIDE
GEOSCIENCE CHARACTERIZATION STUDY) - SGS-074-95

Action: None required.

EG&G Rocky Flats, Inc. is pleased to deliver 10 copies of the Geologic Characterization Report to the Department of Energy, Rocky Flats Field Office (DOE, RFFO). This comprehensive report complies, integrates, and evaluates existing geologic data for the Rocky Flats Environmental Technology Site (SITE), in addition to presenting and assessing a variety of new data collected specifically for this study.

This report includes an executive summary; an introduction section; a discussion of the regional setting of the SITE; an overview of previous geologic studies at the SITE; a detailed discussion of the Quaternary geology, including a new U. S. Geological Survey map of the surficial deposits at the SITE; detailed discussions of the geology of Cretaceous-aged bedrock units at the SITE, including new maps and cross sections of the site; a compilation of new data on the mineralogy, petrology, and palynology of the Cretaceous bedrock units; a thorough documentation of previous and ongoing structural geology studies at the SITE and the surrounding area; and a conclusions section, with recommendations for future work.

Recommendations for future work focus on analyzing the mineralogy of surficial deposits; determining the location, geometry, and hydrogeologic properties of inferred faults and fracture zones; and evaluating the effects of faults and fractures on groundwater flow and the migration of contaminants. This work will help to better define the geologic, hydrogeologic, and geochemical conditions at the SITE.

J. M. Roberson
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There is no deadline for delivery of the report to the regulatory agencies; complimentary copies may be transmitted from DOE, RFFO to the Environmental Protection Agency and the Colorado Department of Public Health and Environment at DOE's convenience.

Please direct any technical questions to Dr. Mary A. Siders at extension 6933.



S. G. Stiger, Director
Environmental Restoration Program Division
EG&G Rocky Flats, Inc.

MAS:bk

Orig. and 1 cc - J. M. Roberson

cc:

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M. N. Silverman - DOE, RFFO